

>AF249738 ACCESSION:AF249738 NID: gi 8571425 gb AF249738.1 AF249738
Mus musculus Pb99 gene sequence
Length = 2127

Score = 358 bits (910), Expect(3) = 0.0
Identities = 210/293 (72%), Positives = 233/293 (80%)
Frame = +1

Query: 206 RPPPNMTLTCVFDVTKGTTGDWSSEGCSTEVRPEGTVCCCDHLTFFALLLRPTLDQSTV 265
R P N+ LTCVFD+ KG DW S CST TVC CDHLTFFALLLRP LD +T
Sbjct: 748 RSPHNVILTCVFDMAKG---DWDSH-CSTVPGDGRVCRCDHLTFFALLLRPILDLATA 915

Query: 266 HILTRISQAGCGVSMIFLAFTIILYAFLRLSRERFKSEDAPKIHVALGGSFLNLAFLV 325
LTRISQAG VSMIFLAFT++LY R S +RFKSEDAPKIH+AL SLFLLNL FL
Sbjct: 916 QTLTRISQAGSAVSMIFLAFTMVLVYAFRFSLQRFKSEDAPKIHMAISISLFLNLTFLI 1095

Query: 326 NVGSGSKGSDAACWARGAVFHYFLLCAFTWMGLEAFHLYLLAVRVFNTYFGHYFLKLSLV 385
NVGS S+G A+CW R A+FHYFLLC FTWMGLEAFHLYLLA+RVFNTYFGHYFLKLSL+
Sbjct: 1096 NVGSSSQGPPASCWVRAAIFHYFLLCVFTWMGLEAFHLYLLAIRVFNTYFGHYFLKLSLL 1275

Query: 386 GWGLPALMVIGTGSANSYGLYTIRDRENRTSLELCWFREGTMYALYITVHGYFLITFLF 445
WGLP L+VIG GS+NSYG+YTIRD+ENRTSLELCWF++ ALY TVHGYFL+TFLF
Sbjct: 1276 AWGLPVLVIGAGSSNSYGVYTIRDQENRTSLELCWFQKEP---ALYATVHGYFLVTFLF 1446

Query: 446 GMVVLALVVWKIFTLSRATAVKERGKNRKKVLTLLGLSSLVGVWTWGLAIFTPL 498
G VVLALV WKIFTL TA K +G K VLT+LGLSSLVG+TWGLA+ TPL
Sbjct: 1447 GAVVLALVAWKIFTLPSVTAGKGQGPWKSVLTVLGLSSLVGMTWGLAVLTPL 1605

Score = 245 bits (618), Expect(3) = 0.0
Identities = 129/215 (60%), Positives = 159/215 (74%), Gaps = 2/215 (0%)
Frame = +2

Query: 1 MATPRGLGALLLLLLLPTSGQEKPTGPRNTC--LGSNNMYDIFNLNDKALCFTKCRQSG 58
MAT R LG L LLL + E+ TE PRN C L + YD F+LND A CFTKC QS
Sbjct: 17 MATARSLGLLFFLLL---TSDEETTEEPRNVCRRLOEGHEYDTFDLNDTAQCFTKCGQSE 187

Query: 59 SDSCNVENLQRYWLNIEAHLMEGLTQKVNTPFKALVQNLSTNTAEDFYFSLEPSQVPR 118
C+V NLQRYWLNIE++L++ + + V+ PF+KAL+QN+ST+ +ED +SL SQ+PR
Sbjct: 188 HSPCDVGNLQRYWLNIESYLLENSM-ETVDMPFVKALIQNISTDVSDDLYSMLSLQIPR 364

Query: 119 QVMKDEDKPPDRVRLPKSLFRSLPGNRSVRLAVTILDIGPGTLFKGPRLGLGDGSGVLN 178
QVM+ ED+P D VRLPKSLF +LPGNRS VRLA+T+LDIG G +FKGP+L GS VLN
Sbjct: 365 QVMQGEDEPADGVRLPKSLFGALPGNRSVRLAITVLDIGAGNVFKGPKLLEDKGSSVLN 544

Query: 179 NRLVGLSVGQMHVTKLAEPLIEIVFSHQRPNNMTL 213
NR+VGLSVGQMH T L+EP+EI FSH+R PP M L
Sbjct: 545 NRMVGLSVGQMHAATGLSEPVEITFSHERQPPAMIL 649

Score = 84.7 bits (206), Expect(3) = 0.0
Identities = 41/54 (75%), Positives = 45/54 (82%), Gaps = 1/54 (1%)
Frame = +3

Query: 497 PLGLSTVYIFALFNSLQGVFICCWFTILYLP SQSTTVSSS-TARLDQAHSASQE 549
P GLST+Y+F L NSLQG+FI CWF ILY P+QSTT SSS TARLDQAHS SQE
Sbjct: 1599 PPGLSTIYVFTLLNSLQGLFIFCWFIIILYFPTQSTTASSSGTARLDQAHSVSQE 1760



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 CCGCACT
 CACAGACT

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Nucleotide

Protein

Genome

Structure

PMC

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Links

LOCUS AF249738 2127 bp DNA linear ROD 18-JUN-2000

DEFINITION Mus musculus Pb99 gene sequence.

ACCESSION AF249738

VERSION AF249738.1 GI:8571425

KEYWORDS .

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE 1 (bases 1 to 2127)

AUTHORS Sleckman,B.P., Khan,W.N., Xu,W., Bassing,C.H., Malynn,B.A.,
Copeland,N.G., Bardon,C.G., Breit,T.M., Davidson,L., Oltz,E.M.,
Jenkins,N.A., Berman,J.E. and Alt,F.W.

TITLE Cloning and functional characterization of the
early-lymphocyte-specific Pb99 gene

JOURNAL Mol. Cell. Biol. 20 (12), 4405-4410 (2000)

MEDLINE 20285444

PUBMED 10825203

REFERENCE 2 (bases 1 to 2127)

AUTHORS Sleckman,B.P., Khan,W.N., Xu,W., Oltz,E.M., Berman,J.E. and
Alt,F.W.

TITLE Direct Submission

JOURNAL Submitted (25-MAR-2000) Medicine/HHMI, Children's Hospital, Harvard
Medical School, Longwood Ave., Boston, MA 02115, USA

FEATURES Location/Qualifiers

source 1..2127

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="BALB/c"

/db_xref="taxon:10090"

gene 712..1638

/gene="early-lymphocyte-specific Pb99 gene"

BASE COUNT 432 a 609 c 550 g 536 t

ORIGIN

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2101 gaaattaaaa aaaatatttt aacagct

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